

Contents of Volume 10

(Abstracted/indexed in: Chemical Abstracts; Current Contents; Physical, Chemical & Earth Sciences; INSPEC; PASCAL/CNRS)

Vol. 10 No. 1

- Mechanisms underlying the desorption of long-chain lipolytic products by cyclodextrins: application to lipase kinetics in monolayer
M. Ivanova (Marseille, France/Sofia, Bulgaria), R. Verger (Marseille, France) and I. Panaiotov (Sofia, Bulgaria) 1
- Evaluation of the calcium oxalate monohydrate Hamaker constant based on static dielectric constant determination and electronic polarization
C.F. Habeger (Gainesville, FL, USA), C.E. Condon (University Park, PA, USA), S.R. Khan (Gainesville, FL, USA) and J.H. Adair (Gainesville, FL, USA/University Park, PA, USA) 13
- The surface characteristics of the sintered body of hydroxyapatite–zirconia composite particles
N. Kawashima, K. Soetanto (Yokohama, Japan), K.-i. Watanabe, K. Ono (Tokyo, Japan) and T. Matsuno (Kanagawa, Japan) 23
- Measurement of protein adsorption to metals using radioiodination methods: a caveat
H. Sheardown, R.M. Cornelius and J.L. Brash (Ottawa, Ontario, Canada) 29
- Archaeobacterial lipids: high surface activity of polyisoprenoid surfactants in water
K. Yamauchi, Y. Onoue, T. Tsujimoto and M. Kinoshita (Osaka, Japan) 35
- Preparation of dimerized polypeptide-carrying microspheres and purification of specific proteins bound to these microspheres
M. Hatakeyama, Y. Ogura, J. Sawada, K. Fujimoto, H. Handa and H. Kawaguchi (Yokohama, Japan) 41
- Partitioning of local anesthetic dibucaine into bilayer membranes of dimyristoylphosphatidylcholine
S. Kaneshina, H. Satake, T. Yamamoto, Y. Kume and H. Matsuki (Tokushima, Japan) 51

Vol. 10 No. 2

- Ellipsometry and radio-labelling studies on the adsorption of human serum albumin (HSA) and anti-HSA to hydrophobic silicon
P. Tengvall, A. Askendal (Linköping, Sweden), M. Wahlgren (Lund, Sweden) and I. Lundström (Linköping, Sweden) 61
- Dimple evolution in foam films of liposome (DPPC) suspensions
D.J. Mitev, R. Tsekov and C.S. Vassiliev (Sofia, Bulgaria) 67
- Electroacoustic determination of size and zeta potential of fat globules in milk and cream emulsions
T. Wade and J.K. Beattie (Sydney, Australia) 73
- Kinetics of nucleation and crystal growth of hydroxyapatite and fluorapatite on titanium oxide surfaces
W. Wu and G.H. Nancollas (Buffalo, NY, USA) 87
- The influence of proteins on calcium phosphate deposition over titanium implants studied by dynamic contact angle analysis and XPS
A.P.V.A. do Serro, A.C. Fernandes, B. de Jesus and V. Saramago (Lisbon, Portugal) 95
- Conformational changes of lysozyme in water–ethanol mixtures
A. Bonincontro, A.D. Francesco, M. Matzeu (Roma, Italy), G. Onori and A. Santucci (Perugia, Italy) 105
- Increase in molecular order of phospholipid membranes due to osmotic stress by polyethylene glycol
K. Mishima (Yamanashi, Japan), K. Satoh and K. Suzuki (Tokyo, Japan) 113

Vol. 10 No. 3

Stress-relaxation behaviour of spread films and coalescence stability of o/w emulsions formed by succinylated legumin from faba beans (<i>Vicia faba</i> L.) J.-P. Krause (Bergholz-Rehbrücke, Germany), R. Wüstneck (Potsdam, Germany), A. Seifert and K.D. Schwenke (Bergholz-Rehbrücke, Germany)	119
Hydrolysis of <i>O</i> -nitrophenyl- β -D-galactoside by an enzyme immobilized on perfluorocarbon in a tapered column reactor B.-L. Yang (Xi'An, People's Republic of China), N. Shinoda and S. Goto (Nagoya, Japan)	127
Enzymatic esterifications and transesterifications in AOT-based gels with different composition S. Karlsson, S. Backlund, F. Eriksson and G. Hedström (Turku, Finland)	137
Spectroscopic probes of the interactions of the dye Stains-all with deoxycholate and cholate A. Goswami and M.K. Pal (Kalyani, India)	149
DNA-carrying latex particles for DNA diagnosis. 1. Separation of normal and point mutant DNA's according to the difference in hybridization efficiency M. Hatakeyama, S. Iwato, K. Fujimoto, H. Handa and H. Kawaguchi (Yokohama, Japan)	161
DNA-carrying latex particles for DNA diagnosis 2. Distinction of normal and point mutant DNA's using S1 nuclease M. Hatakeyama, K. Nakamura, S. Iwato, H. Handa, K. Fujimoto and H. Kawaguchi (Yokohama, Japan)	171

Vol. 10 No. 4

Adhesion of yeasts and bacteria to fluoro-alkylsiloxane layers chemisorbed on silicone rubber E.P.J.M. Everaert, H.C. van der Mei and H.J. Busscher (Groningen, The Netherlands)	179
Impact of structural changes and aggregation on adsorption kinetics of ovalbumin at the water/air interface N. Hagolle, B. Launay and P. Relkin (Massy, France)	191
In-situ measurement of DNA immobilization and hybridization using a 27 MHz quartz crystal microbalance F. Caruso, D.N. Furlong (Victoria, Australia), K. Niikura and Y. Okahata (Yokohama, Japan)	199
The stability of heparin-coated liposomes in plasma and their effect on its coagulation A. Sahli (Paris, France), M. Cansell (Paris, France/Bordeaux, France), J. Tapon-Breaudière, D. Letourneur, J. Jozefonvicz and A.M. Fischer (Paris, France)	205
Dissolution improvement of water-insoluble glybuzole by co-grinding and co-melting with surfactants and their physicochemical properties M. Otsuka, T. Ofusa and Y. Matsuda (Kobe, Japan)	217
Adsorption of β -lactoglobulin and β -casein to metal surfaces and their removal by a non-ionic surfactant, as monitored via a quartz crystal microbalance B.S. Murray and L. Cros (Leeds, UK)	227

Vol. 10 No. 5

Changes in sebum levels and skin surface free energy components following skin surface washing A. Mavon, D. Redoules (Castanet Tolosan, France), P. Humbert, P. Agache (Besançon, France) and Y. Gall (Castanet Tolosan, France)	243
Platelet interaction with surface-immobilized IgG induces the secretion of surface bound microparticles and fragmentation of the cells M. Broberg and H. Nygren (Göteborg, Sweden)	251
Platelet adhesion and activation on an amphoteric chitosan derivative bearing sulfonate groups M.M. Amiji (Boston, MA, USA)	263
Evaluation of several methods to quantify immobilized proteins on gold and silica surfaces M. Orschel, A. Katerkamp, M. Meusel and K. Cammann (Münster, Germany)	273
The solubilization of limonene in aqueous micellar solution of N,N-dimethyldodecylamine oxide and dispersity of stratum corneum in the solution K. Takahashi (Tokyo, Japan), S. Hayashi, E. Yamada, M. Takahashi, Y. Nakayama (Ibaragi, Japan) and M. Ueno (Tokyo/Chiba, Japan)	281

Amphiphilic cyclodextrin nanospheres: particle solubilization and reconstitution by the action of a non-ionic detergent E. Lemos-Senna, D. Wouessidjewe, D. Duchêne and S. Lesieur (Chatênay Malabry, France)	291
<i>Corrigendum</i>	303
<i>Vol. 10 No. 6</i>	
Separation of serum proteins with uncoupled microsphere particles in a stirred cell J.-Y. Yoon, J.H. Lee, J.-H. Kim and W.-S. Kim (Seoul, South Korea)	365
Lipase-catalysed stereoselective esterifications using gelatin-based hydrogels G. Hedström, S. Backlund, F. Eriksson and S. Karlsson (Turku, Finland)	379
Competitive adsorption between egg yolk lipoproteins and whey proteins on oil-in-water interfaces R.E. Aluko, M. Keeratiurai and Y. Mine (Guelph, Canada)	385
Lectin recognition of liposomes containing neoglycolipids. Influence of their lipidic anchor and spacer length M. Gelhausen, F. Besson, S. Chierici, D. Lafont, P. Boullanger and B. Roux (Lyon, France)	395
The adsorption of endothelin 1 to phospholipids is governed by electrostatic interactions. A monolayer and fluorescence study L. Chaloin, N. Van Mau, F. Heitz, L. Chiche (Montpellier, France) and J.-C. Talbot (Pessac, France)	405
Author Index	413
Subject Index	415

